Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device for purification of machine parts contaminated by oil and grease, comprising: a purification housing which can be locked with a lid, in which a basket for receiving the contaminated parts is arranged, and in which a spray nozzle system fed by purifying fluid provided in the housing acts upon the parts to be purified which are provided in the basket and a bioreactor for treating the purifying fluid, where the purifying fluid is provided in a closed circuit via a discharge line and a supply line between the purification housing and the bioreactor, wherein a heat exchanger for cooling the purifying fluid to the temperature level of the rector is located in the discharge line and a valve is located between the heat exchanger and the bioreactor, which valve is opened for the purifying fluid only at the temperature level of the bioreactor, wherein the bioreactor has a temperature range of 35°C. to 40°C. in order to favour the bacteria culture, and wherein the purifying fluid in the device has a temperature range of 50°C. to 80°C.

2. (Original) A device as claimed in claim 1, wherein a pump which circulates the purifying fluid is provided between the heat exchanger and the valve.

3. (Cancelled)

4. (Cancelled)

5. (Original) A device as claimed in one claim 1, wherein the bioreactor has an air throughput to favour the bacteria.

6. (Original) A device as claimed in claim 5, wherein in the upper area of the bioreactor a chamber or an overflow is located in order to receive the treated purifying fluid.

7. (Original) A device as claimed in claim 6, wherein the overflow is connected to the supply line which is connected to the spray nozzle system.

8. (Original) A device as claimed in claim 1, wherein a control arrangement controls the heat exchanger, the pump, the valve as well as the pump for supplying the air to the bioreactor.

9. (Original) A device as claimed in one claim 2, wherein the bioreactor has an air throughput to favour the bacteria.

10. (Original) A device as claimed in one claim 3, wherein the bioreactor has an air throughput to favour the bacteria.

11. (Original) A device as claimed in one claim [4] 1, wherein the bioreactor has an air throughput to favour the bacteria.

12. (Original) A device as claimed in claim 2, wherein a control arrangement controls the heat exchanger, the pump, the valve as well as the pump for supplying the air to the bioreactor.

13. (Original) A device as claimed in claim [3] 1, wherein a control arrangement controls the heat

exchanger, the pump, the valve as well as the pump for supplying the air to the bioreactor.

14. (Original) A device as claimed in claim [4] 1, wherein a control arrangement controls the heat exchanger, the pump, the valve as well as the pump for supplying the air to the bioreactor.

15. (Original) A device as claimed in claim 5, wherein a control arrangement controls the heat exchanger, the pump, the valve as well as the pump for supplying the air to the bioreactor.

16. (Original) A device as claimed in claim 6, wherein a control arrangement controls the heat exchanger, the pump, the valve as well as the pump for supplying the air to the bioreactor.

17. (Original) A device as claimed in claim 7, wherein a control arrangement controls the heat exchanger, the pump, the valve as well as the pump for supplying the air to the bioreactor.

18. (New) A device for purification of machine parts contaminated by oil and grease, comprising: a purification housing which can be locked with a lid, in which a basket for receiving the contaminated parts is arranged, and in which a spray nozzle system fed by purifying fluid provided in the housing acts upon the parts to be purified which are provided in the basket and a bioreactor for treating the purifying fluid, where the purifying fluid is provided in a closed circuit via a discharge line and a supply line between the purification housing and the bioreactor, wherein a heat exchanger for cooling the purifying fluid to the temperature level of the rector is located in the discharge line and a valve is located between the heat exchanger and the bioreactor, which valve is opened for the purifying fluid only at the temperature level of the bioreactor;
wherein the bioreactor has a temperature range of 35°C. to 40°C. in order to favour the bacteria culture;
wherein the purifying fluid in the device has a temperature range of 50°C. to 80°C; and
wherein the bioreactor contains bacteria retained on a surface therein, thereby maintaining the bacteria within the bioreactor and preventing exposure of the bacteria to the temperature of the purifying fluid in said device.